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APPLICANTS: Michael W. Marcellin, et al.

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CONFIRMATION NO. 7448

FILED: 05/11/2005

ART UNIT: 2624

TITLE: METHODS FOR DECODING CORRUPT JPEG2000 CODESTREAMS

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Gavin J. Milczarek-Desai
Quarles & Brady Streich Lang
One South Church Ave., Suite 1700
Tucson, AZ 85701

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The Filing Receipt issued for the above-referenced application is incorrect. Please correct the title on the Filing Receipt to: **Methods for decoding corrupt jpeg2000 codestreams**.

A marked copy of the Filing Receipt is provided with the appropriate change noted thereon, as requested. Support for this correction can be found in the parent application PCT/US2003/036213. Also enclosed is a copy of the first page of WO 2004/047010 A1, the published PCT application.

Thank you for your attention and cooperation.

Respectfully submitted,

Gavin J. Milczarek-Desai
Reg. No. 45,801
(520) 770-8716 phone; (520) 770-2235 fax



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Page 1 of 3
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CONFIRMATION NO. 7448

CORRECTED FILING RECEIPT



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34282
QUARLES & BRADY STREICH LANG, LLP
ONE SOUTH CHURCH AVENUE
SUITE 1700
TUCSON, AZ 85701-1621

Date Mailed: 06/27/2006

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Applicant(s)

Michael W Marcellin, Tucson, AZ;
Ali Bilgin, Tucson, AZ;
Zhenyu Wu, Tucson, AZ;

Power of Attorney: The patent practitioners associated with Customer Number 34282.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US03/36213 11/15/2003
which claims benefit of 60/426,830 11/15/2002

Foreign Applications

If Required, Foreign Filing License Granted: 06/27/2006

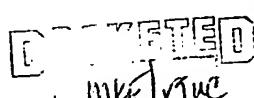
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/534,620**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****



Title

jpeg 2000
Methods for decoding corrupt jpeg2000 codestreams

Preliminary Class

382

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(75) Inventors/Applicants (for US only): MARCELLIN, Michael, W. [US/US]; 6535 N. Camino de Michael, Tucson, AZ 85718 (US). BILGIN, Ali [TR/US]; 1300 E. Ft. Lowell Rd., Apt. M-215, Tucson, AZ 85719 (US). WU, Zhenyu [CN/US]; 951 E. 10th Street, Apt. 22, Tucson, AZ 85719 (US).

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(74) Agent: MILCZAREK-DESAI, Gavin, J.; Quarles & Brady Streich Lang, One South Church Avenue, Suite 1700, Tucson, AZ 85701-1621 (US).

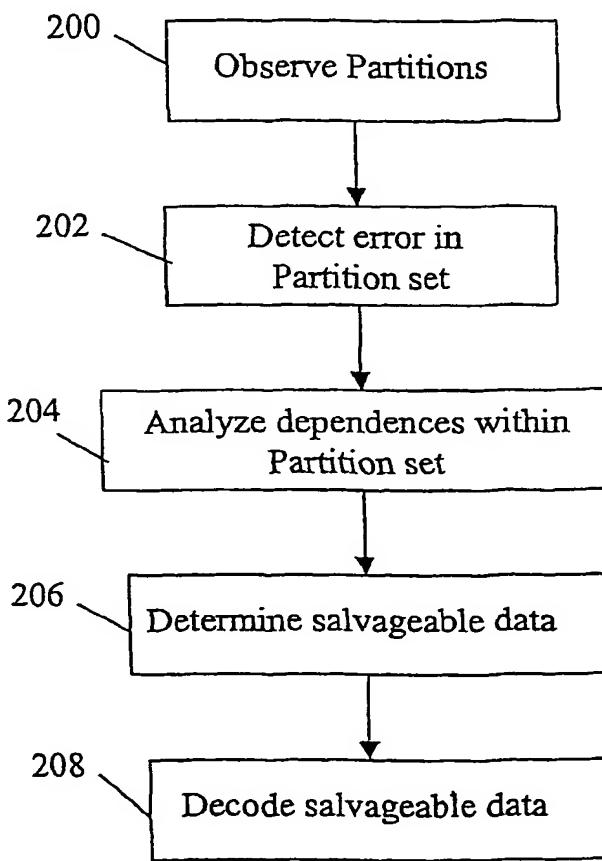
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(54) Title: METHODS FOR DECODING CORRUPT JPEG2000 CODESTREAMS



(57) Abstract: The present invention provides a method for decoding corrupt codestreams for encoded digital imagery and video and, in particular, JPEG2000 codestreams with improved error resilience properties. The decoding techniques apply to a class of coding algorithms in which the data from underlying images are partitioned, typically to allow decoding of different spatial sections of the image, and the rules governing the dependencies within and perhaps between partitioned sets are known. Corrupt codestreams are decoded with improved image quality by observing the partitions imposed by the underlying algorithm (200), detecting an error in a partition set (202), analyzing the dependencies within and perhaps between the partitions (204), determining what sections of encoded data that follow the error in the partition set can be salvaged (206), and decoding those sections (208). Even though there might be errors in a particular partition, portions of that partition might still be completely or partially decodable, depending on certain modes or "switches" used during the creation of the codestream.

WO 2004/047010 A1